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## UTILITY **PATENT APPLICATION TRANSMITTAL**

Attorn	ey Docket No.	5000-1-420
First I	nventor	Byung-Kwon KANG et al.
Title	UNCOOLEI	OPTICAL

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(Only for new nonprovisional applicat	ions under 37 CFR 1.53(b))	Express M	lail Label No.	EV 9962	88841 US	
APPLICATION EL		ADDRE	ESS TO:	Assistant Com Box Patent Ap Washington, D	•	itents
1. X Fee Transmittal Form (e.g., Form (Submit an original and a duplicate for fee Applicant claims small entity See 37 CFR 1.27.	erro/SB/17) reprocessing) status.  Ital Pages 12 ] which in the state of the state	8. Nucleot (if applia. Spe	icable, all necest computer Real computer Real confication Sequents. CD-RC i. Daper Statements volume Assignment Pa 37 CFR 3.73(the sequents)	O-R in duplicate ram (Appendix) no Acid Sequel ssary) adable Form (Cence Listing on DM or CD-R (2) erifying identity NG APPLIC apers (cover sho) Statement	, large table or nee Submission (RF) : copies); or of above copies ATION PARTIES (Power of Power of Po	TS ((s))
4. X Drawing(s) (35 U.S.C. 113)  5. Oath or Declaration  a. X Newly executed (origin Copy from a prior applied (for continuation) Copy from a prior applied	[ Total Pages 3 ] al or copy) cation (37 CFR 1.63 (d)) nal with Box 18 completed)  NVENTOR(S) thed deleting inventor(s) lication, see 37 CFR	11.	English Trans Information Di Statement (ID Preliminary Ar Return Receive (Should be sp) Certified Copy (if foreign prior Request and (b)(2)(B)(i). Ar or its equivale Other:	isclosure S)/PTO-1449 mendment of Postcard (Misecifically itemize y of Priority Document is claimed) Certification unpplicant must a ent.	cument(s) der 35 U.S.C. 1 ttach form PTO/	of IDS s 22 SB/35
18. If a CONTINUING APPLICATION, or in an Application Data Sheet under 3  Continuation Divisional  Prior application information: Exam  For CONTINUATION OR DIVISIONAL APPS  Box 5b, is considered a part of the disclosure of the incorporation can only be relied upon	7 CFR 1.76:  Continuation-in-part (CIP)  niner  Sonly: The entire disclosure of to sure of the accompanying continuation when a portion has been inadvent.	of pri Gro he prior applicat uation or divisio ertently omitted f	ior application No.:_ oup Art Unit: tion, from which onal application a from the submitte	an oath or decla	ration is supplied	d under
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Śignature	11/2			Date	9/18/03	

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Date

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Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

Signature

**TOTAL AMOUNT OF PAYMENT** 

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Co	omplete if Known	
Application Number	Not yet assigned	
Filing Date	September 18, 2003	
First Named Inventor	Byung-Kwon KANG et al.	
Examiner Name	Not yet assigned	
Art Unit	Not yet assigned	
Attorney Docket No.	5000-1-420	

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Number Deposit Account Name  The Commissioner is authorized to: (check all that apply)  Charge fee(s) indicated below Credit any overpayments  Charge any additional fee(s) during the pendency of this application  Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.  FEE CALCULATION  1. BASIC FILING FEE  Large Entity Small Entity Fee
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The Commissioner is authorized to: (check all that apply)  Charge fee(s) indicated below  Credit any overpayments  Charge any additional fee(s) during the pendency of this application  Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.  FEE CALCULATION  1. BASIC FILING FEE  Large Entity  Small Entity  Fee Fee Fee Fee Fee Fee Fee Pee Fee Description  1001 750 2001 375 Utility filing fee 1002 330 2002 165 Design filing fee 1004 750 2004 375 Reissue filing fee 1005 160 2005 80 Provisional filing fee SUBTOTAL (1) (\$) 750.00  2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE  1812 2,520 1812 2,520 For filing a request for ex parte reexamination 1812 2,520 For filing a request for ex parte reexamination 1812 2,520 For filing a request for ex parte reexamination 1812 2,520 For filing a request for ex parte reexamination 1812 2,520 For filing a request for ex parte reexamination 1804 920*  1805 1,840* 1805 1
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Charge any additional fee(s) during the pendency of this application  Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.  FEE CALCULATION  1. BASIC FILING FEE Large Entity Small Entity Fee Fee Fee Fee Fee Fee Description Code (\$) Code
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FEE CALCULATION  1. BASIC FILING FEE Large Entity Small Entity Fee Fee Fee Fee Fee Fee Fee Description 1. Code (\$\$) 1001 750 2001 375 Utility filing fee 1002 330 2002 165 Design filing fee 1004 750 2003 260 Plant filing fee 1004 750 2004 375 Reissue filing fee 1005 160 2005 80 Provisional filing fee SUBTOTAL (1) (\$) 750.00  1251 110 2251 55 Extension for reply within first month 1252 205 Extension for reply within third month 1253 930 2253 465 Extension for reply within fourth month 1254 1,450 2254 725 Extension for reply within fourth month 1255 1,970 2255 985 Extension for reply within fifth month 1401 320 2401 160 Notice of Appeal 1402 320 2402 160 Filing a brief in support of an appeal 1403 280 2403 140 Request for oral hearing 1451 1,510 Petition to institute a public use proceeding 1452 110 2452 55 Petition to revive - unavoidable  2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE
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1001 750   2001 375   Utility filing fee     750.00     1255 1,970   2255   985   Extension for reply within fifth month   1002 330   2002 165   Design filing fee   1401 320   2401 160   Notice of Appeal   1402 320   2402 160   Filing a brief in support of an appeal   1403 280   2403 140   Request for oral hearing   1451 1,510   1451 1,510   Petition to institute a public use proceeding   1452 110   2452   55   Petition to revive - unavoidable   1453 1,300   2453   650   Petition to revive - unintentional   1504 1 300   3504   3650   Petition to revive - unintentional   1504 1 300   3504   3650   Petition to revive - unintentional   1504 1 300   3504   3650   Petition to revive - unintentional   1504 1 300   3504   3650   Petition to revive - unintentional   1504 1 300   3504   3650   Petition to revive - unintentional   1504 1 300   3504   3650   Petition to revive - unintentional   1504 1 300   3504   3650   Petition to revive - unintentional   1504 1 300   3504   3650   Petition to revive - unintentional   1504 1 300   3504   3650   Petition to revive - unintentional   1504 1 300   3504   3650   Petition to revive - unintentional   1504 1 300   3504   3650   365
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Extra Claims below Fee Paid 1502 470 2502 235 Design issue fee
Total Claims 9 -20** = X = 1503 630 2503 315 Plant issue fee
Claims 2 - 3** = X 1460 130 Petitions to the Commissioner Multiple Dependent
1807 50 1807 50 Processing fee under 37 CFR 1.17(q)
Large Entity   Small Entity   The Fee Fee Fee Fee Description   1806 180 Submission of Information Disclosure Stmt   1806 180 Submission Otto   1806 Submission Otto   1806 Submission
Code (\$) Code (\$)  8021 40 8021 40 Recording each patent assignment per 40.00
1202 18 2202 9 Claims in excess of 20 1201 84 2201 42 Independent claims in excess of 3  1809 750 2809 375 Filing a submission after final rejection (37 CFR 1,129(a))
1203 280 2203 140 Multiple dependent claim, if not paid 1810 750 2810 375 For each additional invention to be
1204 84 2204 42 ** Reissue independent claims examined (37 CFR 1.129(b))
over original patent 1801 750 2801 375 Request for Continued Examination (RCE)
1205 18 2205 9 ** Reissue claims in excess of 20 1802 900 Request for expedited examination of a design application
SUBTOTAL (2) (\$) 0.00 Other fee (specify)
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Name (Print/Type) Steve S. Cha Registration No. (Attoriev/Agent) 44,069 Telephone 201-518-5518

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